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TECH CENTER 1600/2900



1635

#23

RAW SEQUENCE LISTING

DATE: 07/10/2002

PATENT APPLICATION: US/09/366,081C

TIME: 15:49:13

Input Set : A:\55525-8029.US07-SEQLIST.TXT

Output Set: N:\CRF3\07102002\I366081C.raw

ENTERED

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4 <110> APPLICANT: Brenner, Sydney
6 <120> TITLE OF INVENTION: Compositions for Sorting Polynucleotides
9 <130> FILE REFERENCE: 55525-8029.US07 (802-04RE)
11 <140> CURRENT APPLICATION NUMBER: US 09/366,081C
12 <141> CURRENT FILING DATE: 1999-08-02
14 <150> PRIOR APPLICATION NUMBER: US 08/484,712
15 <151> PRIOR FILING DATE: 1995-06-07
17 <150> PRIOR APPLICATION NUMBER: US 08/358,810
18 <151> PRIOR FILING DATE: 1994-12-19
20 <150> PRIOR APPLICATION NUMBER: US 08/322,348
21 <151> PRIOR FILING DATE: 1994-10-13
23 <160> NUMBER OF SEQ ID NOS: 19
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 38
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Segment of vector
35 <400> SEQUENCE: 1
36 gaggatgcct ttatgatcc actcgagatc ccaatcca      38
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 26
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Adaptor
46 <400> SEQUENCE: 2
47 aattcggatg atgcatgcat cgaccc      26
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 14
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Adaptor
57 <400> SEQUENCE: 3
58 tcgagtcacg cgat      14
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 39
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Tag complement linked to solid phase support

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68 <400> SEQUENCE: 4
69 dddddddddd dddddddddd dddddddddd ddddddttgg 39
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 66
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Primer
79 <400> SEQUENCE: 5
80 ctatgcgacc ahhhhhhhhh hhhhhhhhhh hhhhhhhhhh hhhhhhhttt tttttttttt 60
81 ttttttt 66
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 11
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Primer
W--> 91 <221> NAME/KEY: misc_feature
92 <222> LOCATION: (1)...(11)
93 <223> OTHER INFORMATION: n = A,T,C or G
W--> 95 <400> 6
W--> 96 nrrgatcynn n 11
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 22
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Adaptor
106 <400> SEQUENCE: 7
107 gggtcgatgc atgcatcatc cg 22
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 10
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Adaptor
117 <400> SEQUENCE: 8
118 atcggatgac 10
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 43
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag
128 <400> SEQUENCE: 9
129 tcgaccgatt tgattagatt tggtaaagta atgtaaagga tta 43
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 43
133 <212> TYPE: DNA

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134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag
139 <400> SEQUENCE: 10
140 tcgaccagta atgtaaagga ttgataagta ttgtgatga tta      43
142 <210> SEQ ID NO: 11
143 <211> LENGTH: 16
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Adaptor
150 <400> SEQUENCE: 11
151 atcgatgac atcaac      16
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 20
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Mixed Probe
W--> 161 <221> NAME/KEY: misc_feature
162 <222> LOCATION: (1)...(20)
163 <223> OTHER INFORMATION: n = A,T,C or G
W--> 165 <400> 12
W--> 166 nnnagttgat gtcacccgat      20
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 20
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Mixed Probe
W--> 176 <221> NAME/KEY: misc_feature
177 <222> LOCATION: (1)...(20)
178 <223> OTHER INFORMATION: n = A,T,C or G
W--> 180 <400> 13
W--> 181 nnnagttgat gtcacccgat      20
183 <210> SEQ ID NO: 14
184 <211> LENGTH: 20
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Mixed Probe
W--> 191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: (1)...(20)
193 <223> OTHER INFORMATION: n = A,T,C or G
W--> 195 <400> 14
W--> 196 nnnagttgat gtcacccgat      20
198 <210> SEQ ID NO: 15
199 <211> LENGTH: 20
200 <212> TYPE: DNA

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```

201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Mixed Probe
W--> 206 <221> NAME/KEY: misc_feature
207 <222> LOCATION: (1)...(20)
208 <223> OTHER INFORMATION: n = A,T,C or G
W--> 210 <400> 15
W--> 211 nnntgttgat gtcacccgat 20
213 <210> SEQ ID NO: 16
214 <211> LENGTH: 37
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: synthetic target polynucleotide probe complex
W--> 221 <221> NAME/KEY: misc_feature
222 <222> LOCATION: (1)...(37)
223 <223> OTHER INFORMATION: n = A,T,C or G
W--> 225 <400> 16
W--> 226 nnnnnnggatg nnnnnnnnnnn nnntnnnnnnn nnnnnnnn 37
228 <210> SEQ ID NO: 17
229 <211> LENGTH: 43
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag
236 <400> SEQUENCE: 17
237 tcgacctaga tgatgattga ttgtaaaaag aaagtttggt tga 43
239 <210> SEQ ID NO: 18
240 <211> LENGTH: 42
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Adaptor containing oligonucleotide tag
247 <400> SEQUENCE: 18
248 gggccddddd dddddddddd dddddddddd dddddddddd da 42
250 <210> SEQ ID NO: 19
251 <211> LENGTH: 64
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: DNA fragment containing oligonucleotide tag
258 <400> SEQUENCE: 19
259 rcgaccahhh hhhhhhhhhh hhhhhhhhhh hhhhhhhhhh hhhgggtttt tttttttttt 60
260 tttt 64

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 1,9,10,11

Seq#:12; N Pos. 1,2,3

Seq#:13; N Pos. 1,2,3

Seq#:14; N Pos. 1,2,3

Seq#:15; N Pos. 1,2,3

Seq#:16; N Pos. 1,2,3,4,5,11,12,13,14,15,16,17,18,19,20,21,22,23,25,26,27

Seq#:16; N Pos. 28,29,30,31,32,33,34,35,36,37